# IP Link® Device Interface Communication Sheet



This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

## *Device Specifications:*

Device Type: Video Projector
Manufacturer: ASK Proxima
Firmware Version: 2.10
Model(s): C450, C440

## *Version History:*

| Driver Version | Date | IP Link Compiler | GV Version | GC2 Version | Notes |
|---|---|---|---|---|---|
| 6 | 6/17/09 | 1.3.11.1 | N/A | 2.5.1 | Extron Certified version. Tested on C440 firmware version 2.10. Updated status polling. Added Zoom, Freeze, Auto Image, and On Screen Display |
| 5 | 10/10/07 | 1.3.11.1 | N/A | 2.3 | Modified timing parameters and updated standards of code. |
| 4 | 08/11/05 | 1.0.9.3 | 1.8 | 2.0 | Extron Certified version. Added Low Power. Removed Freeze, Auto Image, Fixed Vertical Shift, and Tested on device. |
| 3 | 06/27/05 | 1.0.9.3 | 1.6 | N/A | Added Lens Shift, Freeze & Auto Image. |
| 2 | 01/28/05 | 1.0.9.3 | 1.5 | N/A | Added C440 model, Volume & Audio Mute. |
| 1 | 06/11/04 | 1.0.9.0 | 1.3 | N/A | Initial version. |

## *Driver Notes:*

This driver is not recommended to be configured as pass through.

***Control Commands & States:***

| | | | |
|---|---|---|---|
| **Aspect Ratio** | 16:9 | 4:3 | Native |
| **Audio Mute** | On | Off | |
| **Auto Image** | Execute | | |
| **Freeze** | On | Off | |
| **Input** | Computer 1<br>Video 1 | Computer 2<br>Video 2 | Computer 3<br>Video 3 |
| **Low Power** | On | Off | |
| **On Screen Display** | On | Off | |
| **Power Control** | On | Off | |
| **Vertical Shift**[1] | 0 to 100 in steps of 1 | | |
| **Video Mute** | On | Off | |
| **Volume (Discrete)** | 0 to 32 in steps of 1 | | |
| **Zoom** | In | Out | |

[1]Vertical Shift only works with Computer Inputs.

***Status Available:***

| | | | |
|---|---|---|---|
| **Aspect Ratio** | 16:9 | 4:3 | Native |
| **Audio Mute** | On | Off | |
| **Connection Status** | Connected | Disconnected | |
| **Freeze** | On | Off | |
| **Input** | Computer 1<br>Video 1 | Computer 2<br>Video 2 | Computer 3<br>Video 3 |
| **Lamp Usage** | Hours | | |
| **Low Power** | On | Off | |
| **On Screen Display** | On | Off | |
| **Power Control** | On | Off | |
| **Power Status** | Off | On | Status Unavailable |
| **Vertical Shift** | 0 to 100 in steps of 1 | | |
| **Video Mute** | On | Off | |
| **Volume (Discrete)** | 0 to 32 in steps of 1 | | |

***MLC62 Supported Commands:***

| | | | |
|---|---|---|---|
| **Aspect Ratio** | 16:9 | 4:3 | Native |
| **Audio Mute** | On | Off | |
| **Auto Image** | Execute | | |
| **Freeze** | On | Off | |
| **Input** | Computer 1<br>Video 1 | Computer 2<br>Video 2 | Computer 3<br>Video 3 |
| **Low Power** | On | Off | |
| **On Screen Display** | On | Off | |
| **Power Control** | On | Off | |
| **Vertical Shift** | 0 to 100 in steps of 1 | | |
| **Video Mute** | On | Off | |
| **Volume (Discrete)** | 0 to 32 in steps of 1 | | |
| **Zoom** | In | Out | |

### *Cable and Adapter Requirements:*

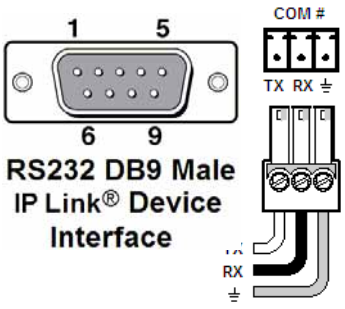
M/F RS-232 Null Modem Serial Cable
F/F Gender Changer (Extron Electronics P/N 100-473-01)

### *Notes for the Device:*

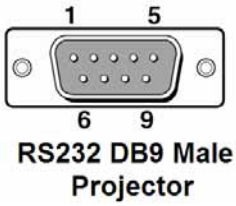
### *Serial communication:*

| | | | |
|---|---|---|---|
| **Port Type:** | RS232 | **Parity:** | None |
| **Baud Rate:** | 19200 | **Stop Bits:** | 1 |
| **Data Bits:** | 8 | **Flow Control:** | None |

### *Pin Assignments Diagram:*




| Signal | Pin | Main Cable | Pin | Signal |
|---|---|---|---|---|
| RxD | 2 | | 2 | RxD |
| TxD | 3 | | 3 | TxD |
| GND | 5 | | 5 | GND |




Note: Captive screw connector may also be used as a serial connection.

### *General Notes:*